$$0.2\phi_{13} \leq d_{113} \leq 0.5\phi_{13} \tag{1}$$

Inasmuch as $\phi_{13} = 2r_{13}$, then

$$0.4r_{13} \leq d_{113} \leq r_{13} \tag{2}$$

The distance, a, is preferably approximately 30% d_{113}. Thus

$$d_o = D_{113} - 0.3\ d_{113} = 0.7\ d_{113} \tag{3}$$

whereby equation (2) becomes

$$0.4r_{13} \leq \frac{1}{07}\ d_o \leq r_{13} \tag{4}$$

The above-defined relationship between the target body radius, r_1, and the radius of the workpiece to be coated, r_{13},

$$1.3r_{13} \leq r_1 \leq 1.4r_{13} \qquad \text{or} \tag{5}$$

$$r_{13}/_{min} = \frac{r_1}{14} \qquad \text{and} \qquad r_{13}/_{max} = \frac{r_1}{13} \tag{6}$$

-2-